

DRUG DISCOVERY USING MULTIPLE MEMBRANE MIMETIC AFFINITIES

Abstract of the Disclosure

5 The measurement of multiple membrane affinities of test compounds,
methods and compositions useful for acquiring data characteristic of such affinities,
and a method and system for using such data alone or in combination with other
molecular descriptors for the prediction of biological activity are described. The
numerical values characteristic of biologically relevant interaction of test compounds
10 with membrane mimetic surfaces are compared with corresponding values of one or
more control compounds having a known biological activity. Probable biological
activity of a test compound is identified with those control compounds whose multiple
membrane interaction values most closely correlate to those of the test compound.